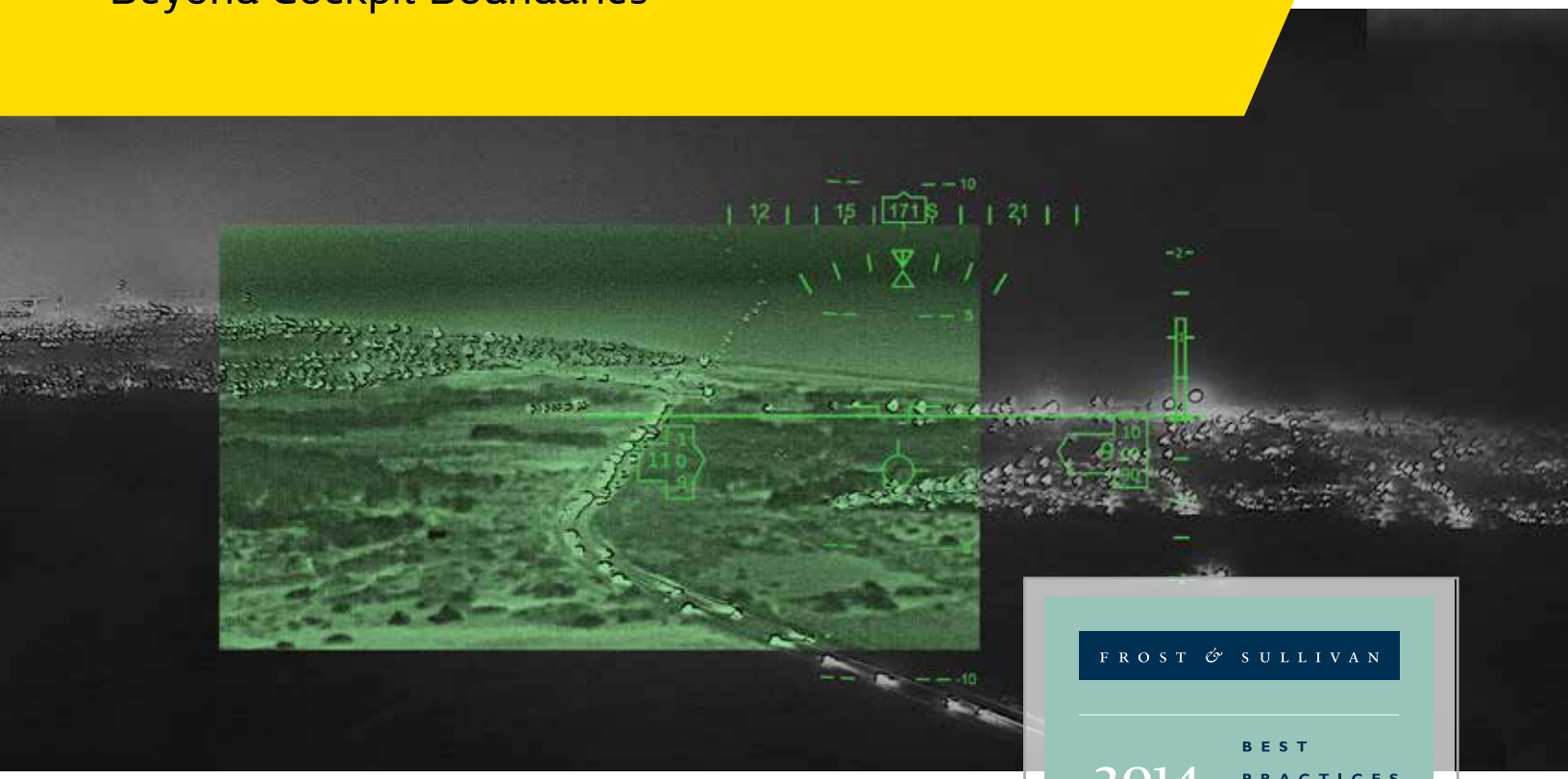
Clearvision™ HeliEVS™

Beyond Cockpit Boundaries



FROST & SULLIVAN

2014 BEST PRACTICES AWARD

GLOBAL COMMERCIAL AVIONICS
NEW PRODUCT INNOVATION LEADERSHIP AWARD

Give your airborne experience a leap forward with Clearvision HeliEVS, a multispectral, superior visual solution, augmented with real-time synthetic information, designed to expand your safety and operational capabilities, under any weather conditions.

As an addition to the core of Elbit Systems' Clearvision EFVS (Enhanced Flight Vision System) family, we introduce our newest helicopter multi-sensor, low-weight, high-definition, affordable, Enhanced Visual System (EVS).

Designed especially for commercial helicopters, the superb Clearvision HeliEVS image can be projected onto our Skylens - the wearable HUD, SkyVis - the helmet mounted display, or any down display. With its brighter and clearer image, Clearvision EVS will make any oil rig, off-airport or airport landing easier and safer than with any other EVS on the market, in all weather conditions.

The ClearVision HeliEVS detects oil rig lights, helipads and runways, while maintaining a crystal-clear overall image for comprehensive situational awareness.

Elbit Systems™
Aerospace

Clearvision™ HeliEVS™

Beyond Cockpit Boundaries

Superb technology, designed to deliver top safety

Clearvision HeliEVS is the newest product in our long Enhanced Visual System (EVS) legacy lineup, which is already successfully installed on multiple platforms worldwide. With its advanced real-time visual processing, Clearvision HeliEVS, merges the input of high-definition visual camera and long-wave IR sensor into one, high quality fused picture, that will expand your situational awareness like never before.

Using multispectral technology, Clearvision HeliEVS detects helipad, rig and runway lights with provisions to support a color display.

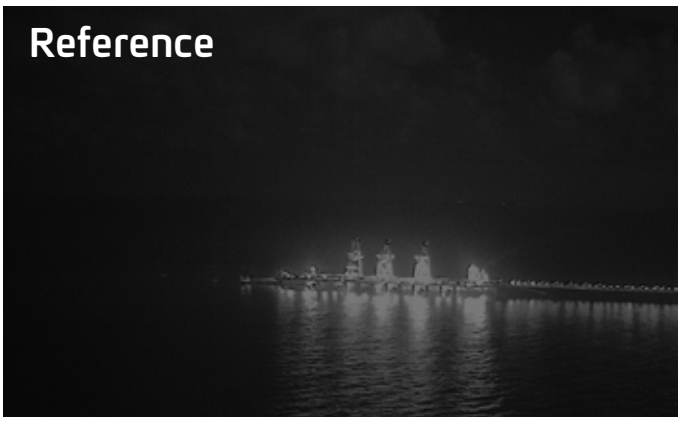
Clearvision EVS is designed to increase platform efficiency and safety, with the latest visual-processing technology, meeting all FAA/EASA/ICAO/CAAC EVS or EFVS civil certification requirements, present and future.

The eyes of our top-of-the-line Clearvision EFVS suite

The Clearvision EVS is perfectly harmonized with our latest Clearvision EFVS family, designed to support helicopter missions covering the full flight envelope, overcoming extreme weather conditions and low visibility situations, day and night.

The outstanding Clearvision display fuses conformal flight guidance symbology with synthetic vision presentation and high-resolution video for an advanced visual clarity.

ClearVision™	
Parameters	**Value**
Field of View [deg]	35°Hx27°V
Spectral Sensitivity	Visible, NIR, LWIR
Full FOV Resolution	High Resolution 1280x960
Weight [Kg]	<5.5
Power Consumption [Watt]	150W Peak Power , 60W Average Power
Input Power	28 VDC
Video Outputs	ARINC818 , RS170 (optional)
Control Interface	RS232, RS422, ARINC429, Discrete
Design Standards	RTCA DO-254, DO-160, DAL B
Size (mm)	H130, W210, L300



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